

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 –27 (Canceled).

28. (Currently Amended) An automatic urine disposal device comprising a urine receptacle having

an outer sheet having a substantially rectangular shape and having a U-shaped cross-section, including at least a bottom portion and side edge portions, the bottom portion having a width at the a middle portion in the longitudinal direction being narrow, narrower than a width at end portions in the longitudinal direction so that it is shaped like an hourglass in plain view so as to be delayed to fit a wearer's crotch, and having a gather provided along its periphery, formed of a liquid-impermeable and non-breathable thin sheet made of soft flexible materials and accommodating material, an inner surface at which is water repellent finished;

_____ a urine absorbent material for storing urine accommodated in said outer sheet, said urine absorbent material having at least two layers such that the water-absorbent capability of a bottom layer located adjacent said bottom portion of said outer sheet is larger than that of a top layer, and said bottom layer being formed by a foam or porous material; and

a top sheet formed as a liquid-permeable non-woven fabric, covering a the top surface-layer of said urine absorbent material and, with said outer sheet, keeping said urine absorbent material highly airtight, a surface of said top sheet being adapted to be in contact with a wearer's urinating part and surrounding skin, wherein said top sheet has breathability measured according to breathability testing

method A, prescribed in JIS L 1096, 6.27.1, from 20 to 200 cc/cm²/second when the top sheet is dry, and from 0 to 100 cc/cm²/second when the top sheet is moist and a urine drainage port provided on the bottom portion of said outer sheet

a sealed urine tank;

a first urine drainage tube for discharging urine from said urine absorbent material through having one end connected to said urine drainage port to said urine tank, and;

a second urine drainage tube made of soft flexible materials material having one end connected to another end of said first drainage tube by a one-touch joint made of a soft material and having another end operably connected to said sealed urine tank;

a vacuum pump for decreasing air pressure in said sealed urine tank; and
a urine sensor provided along said first urine drainage tube and electrically conductive in response to detecting a urination in the vicinity of said urine drainage port,

wherein

urine is absorbed into said urine absorbent material through a hole on said top sheet upon wearer's urination,

said urine sensor detects wearer's urination and initiates said vacuum pump, and

— said urine is discharged from said urine absorbent material through said urine tube to said urine tank and provided for applying a urine detection signal to a control board for controlling said vacuum pump.

wherein said urine sensor detects a wearer's urination, the urine detection signal initiates said vacuum pump to deflate said urine absorbent material and extract urine, thereby discharging said urine from said urine absorbent material

through said first urine drainage, said one-touch joint and said second urine drainage tube to said sealed urine tank.

29. (Currently Amended) An automatic urine disposal device of claim-25 28, wherein the capacity of said urine tank ranges from 200 cm³ to 1000 cm³.

30. (Currently Amended) An automatic urine disposal device of claim-25 28, wherein said urine absorbent material is 5 mm thick and is designed to absorb approximately 500 cm³ of urine.